



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D4017-3****Job Sheet 190495****Part No:** D4017-3**Job Qty:** 4 pcs**Part Name:** Rib**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 2/11/19**Job Tracking No:****Due Date:** 3/8/19**Created By:** Marie Lajeunesse**Type:** SOLD**Description:**

**Note:** DWG REV F SHEET 6 IPP RevA: new issue DD 09.11.26 verified by:EC IPP Rev:B as per dwg RevA DD 10.03.06 verified by:EC IPP Rev:C as per dwg RevB DD 10.04.16 verified by:EC IPP Rev:D as per dwg revC DD 10.08.18 verified by:EC

**Ship Via:****Bill of Materials****Job Routing**

| Op No | Operation                   | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off                                |
|-------|-----------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-----------------------------------------|
|       |                             |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |                                         |
| 100   | Large Fab - Basket - 1      | 4 pcs | 3/8/19     |          | 0.00      | 1.37    | Large Fab - 1         |           | <i>ML</i>                               |
|       |                             |       |            |          |           |         | Large Fab - 10        |           |                                         |
|       |                             |       |            |          |           |         | Large Fab - 2         |           |                                         |
|       |                             |       |            |          |           |         | Large Fab - 3         |           |                                         |
|       |                             |       |            |          |           |         | Large Fab - 4         |           |                                         |
|       |                             |       |            |          |           |         | Large Fab - 5         |           |                                         |
|       |                             |       |            |          |           |         | Large Fab - 6         |           |                                         |
|       |                             |       |            |          |           |         | Large Fab - 7         |           |                                         |
|       |                             |       |            |          |           |         | Large Fab - 8         |           |                                         |
| 110   | QC 5                        | 4 pcs | 3/8/19     |          | 0.00      | 0.00    | Large Fab - 9         |           | <i>DAS</i><br>MAR 01 2019<br>68<br>9-89 |
|       |                             |       |            |          |           |         | QC 5 - 10             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 12             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 17             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 18             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 19             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 22             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 24             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 3              |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 42             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 43             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 49             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 51             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 58             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 68             |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 9              |           |                                         |
|       |                             |       |            |          |           |         | QC 5 - 50             |           |                                         |
| 120   | Packaging 3-1 - Stock - B4B | 4 pcs | 3/8/19     |          | 0.00      | 0.00    | QC 5 - 30             |           |                                         |
|       |                             |       |            |          |           |         | Packaging 3 - 1 - B4B |           |                                         |
|       |                             |       |            |          |           |         | Packaging 3 - 2 - B4B |           |                                         |
|       |                             |       |            |          |           |         | Packaging 3 - 3 - B4B |           |                                         |

Plex 2/11/19 7:28 AM Dart.lajeunesse.marie

|                                                                                                                                                                                                                         |                           |                      |                            |                        |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------|----------------------------|------------------------|-----------------|
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 4 - B4B  |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 5 - B4B  |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 6 - B4B  |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 7 - B4B  |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 8 - B4B  |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 9 - B4B  |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 10 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 11 - B4B | MA              |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 12 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 13 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 14 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 15 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 16 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 17 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 18 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 19 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 20 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 21 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 22 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 23 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 24 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 25 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 26 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 27 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 28 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 29 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 30 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 31 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 32 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 33 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 34 - B4B |                 |
|                                                                                                                                                                                                                         |                           |                      |                            | Packaging 3 - 35 - B4B |                 |
| 130                                                                                                                                                                                                                     | QC 21 - SA                | 4 pcs                | 3/8/19                     | 0.00 0.00              | QC 21 - SA - 21 |
|                                                                                                                                                                                                                         |                           |                      |                            |                        | QC 21 - SA - 70 |
|                                                                                                                                                                                                                         |                           |                      |                            |                        | QC 21 - SA - 53 |
| Part Op 100 - (Fabricate per Drwg)<br>Descriptions: 110 - (QC5- Inspect part completeness to step on W/O)<br>120 - (Identify as per dwg & Stock Location: _____)<br>130 - (QC21- Final Inspection - Work Order Release) |                           |                      |                            |                        |                 |
| <b>Job BOM</b>                                                                                                                                                                                                          |                           |                      |                            |                        |                 |
| <b>Part / Item</b>                                                                                                                                                                                                      | <b>Component Name</b>     | <b>Quantity</b>      | <b>Operation</b>           | <b>Container</b>       |                 |
| M304TS0.750W.049                                                                                                                                                                                                        | 304 Sq Tube .75X.75X.049W | 18.9200 ft (4.73 ea) | 100-Large Fab - Basket - 1 | 5155 738               |                 |
| <b>Job Allocations</b>                                                                                                                                                                                                  |                           |                      |                            |                        |                 |
| <b>Operation</b>                                                                                                                                                                                                        | <b>Component Part</b>     | <b>Required</b>      | <b>Inventory</b>           | <b>Allocated</b>       |                 |
| 100-Large Fab - Basket - 1                                                                                                                                                                                              | M304TS0.750W.049          | 19                   | 524                        | 0                      |                 |
| <b>Part Specifications</b>                                                                                                                                                                                              |                           |                      |                            |                        |                 |
| Specifications could not be found.                                                                                                                                                                                      |                           |                      |                            |                        |                 |



Container No: S158157



Part: D4017-3

Job No: 190495

Serial No/Batch: S158157

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K64 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Plex 2/11/19 7:28 AM Dart.lajeunesse.marie

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QC / QA Coordinator    |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column; align-items: flex-start;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |